SRIJAN TRIPATHI

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EDUCATION

Army Institute of Technology — Pune, Maharashtra
Bachelor of Engineering, Electronics and Telecommunication - CGPA : 8.41 — *Jul. 2023 – Jul 2027*

Army Public School — Pune, Maharashtra
CBSE - Senior Secondar - Percentage : 82.2% — *Apr 2022 – Mar 2023*

EXPERIENCE

Software Development Intern — Dec 2024 – Feb 2025
Upheaval Technologies — *Remote*

- Developed a full-stack AI-proctored quiz platform using MERN stack, integrating facial recognition, tab-switch monitoring, and automated result generation.
- Built a social feed and user profiling mobile app using React Native, PostgreSQL, and Prisma, implementing real-time content updates, and Redux for state optimization.
- Collaborated with a team of 3 developers to integrate REST APIs, streamlining data flow and app functionality.

PROJECTS

SocketDraw | *NextJS, Typescript, Prisma, WebSocket, TurboRepo*

- Built a collaborative whiteboard inspired by Excalidraw, allowing multiple users to interact simultaneously.
- Structured the project as a monorepo using TurboRepo, enabling modular development and faster builds.
- Integrated a backend with Next.js API routes and Prisma to manage session data, and persistent storage.
- Used WebSockets to power real-time collaborative drawing, enabling seamless, low-latency sync between users.

Anubhav | *ReactJS, NodeJS, MongoDB*

- Developed a web platform with 100+ articles from students detailing interview experiences at various companies.
- Enhanced user experience with a clean, intuitive layout, enabling visitors to navigate and access relevant content.
- Implemented backend with NodeJS and MongoDB for content management, hosted on AWS for scalability and reliability.

TymTable | *Python, Django, Flask, SQLite*

- Developed a web-based timetable generator that automatically allocates classes, teachers, and rooms based on user-defined constraints.
- Used Python algorithms to handle scheduling logic and conflict resolution efficiently.
- Designed a simple frontend for input handling and displaying results in a structured, printable format.

SKILLS

Frontend: ReactJS, NextJS, Tailwind, React Native   **Backend**: NodeJS, ExpressJS, Flask
Database: MongoDB, PostgresSQL, NeonDB   **Languages**: Javascript, Typescript, C++, Python
Miscellaneous: Git/GitHub, Docker, TurboRepo, VS Code, Figma, Video Editing
Soft Skills: Communication, Collaboration, Problem Solving, Adaptability, Inquisitiveness, Management

ACHIEVEMENTS

- **Joint Secretary, Open Source Software Club:** Organized a national-level hackathon with 6000+ participants. Led a team of 20 in event outreach, technical infrastructure, sponsorship acquisition, and general event management.
- Organised a national-level hackathon for Army Public Schools students with over 600 participants, managing all aspects from event planning to execution, promoting technical skills among school students.
- **Smart AIT Project:** A web app to automate gate entry/exit using QR codes and online leave requests, improving campus access efficiency.
- Received the Udchalo Scholarship for outstanding performance in both academics and extracurricular activities.
- Runners Up in Unnati (AIT E-CELL), a competition where 20+ teams were tasked with analyzing business challenges and presenting solutions under time constraints.